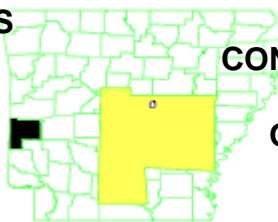


MID-SOUTH WOOD PRODUCTS ARKANSAS

EPA ID# ARD092916188
Site ID: 0600136



EPA REGION 6
CONGRESSIONAL DISTRICT 4
Polk County
Other Names: Mid-South Lumber
Products
Contact: Philip H. Allen, P.E.
214-665-8516

Last Updated: October 2012

Background

The site is located at 4023 Hwy 8 West in Mena, Arkansas 71953; north of U.S. Highway 71 in Polk County, which is in western Arkansas. The Mid-South site is comprised of approximately 57 acres. Past activities included a sawmill and wood preserving operations. Wood preservatives used on site were creosote, pentachlorophenol (PCP) and copper, chromium arsenate (CCA). The plant site was originally developed by Nebraska Bridge Supply & Lumber Company in the late 1930s. In 1955, the facility operated under the name of Three States Lumber Company, with pressure treating of lumber being the primary activity. Edward Hines Lumber Company purchased the site in 1967 and operated the plant as a PCP and creosote wood treatment facility. In 1977, Hines converted the operation to a chromated copper arsenate (CCA) wood-treating process. In 1978, Mid-South acquired the property from Hines and has since continued to use the CCA process until the 1990's. All wood treating operations have now ceased. A new owner has purchased the property, and the site is currently being used to store roofing materials.

Current Status

- EPA is in the process of performing the Fourth Five Year Review for the site; to ensure the implemented remedy continues to be protective of human health and the environment. The draft Five Year Review is currently under review by the EPA and the ADEQ, and is expected to be finalized by the end of September 2012.
- Copper/chromium/arsenate wood treatment was conducted at the site between 1977 and 2007.
- The existing water treatment plant as a treatment system for the ground water stopped operating in 2006.
- The Third Five year Review was signed on September 25, 2007. The Capped Landfarm and the Old Pond remedies were determined to be protective of human health and the environment. The groundwater recovery system was determined to be protective of the human health and the environment in the short term. However, with reactivation of the water treatment plant with a trained operator, the remedy will be protective of human health and the environment in the long term.
- The 2nd Five Year Review in September 2002.
- The 1st Five Year Review was completed in June 1997.

Benefits

Approximately 100,000 cubic yards of contaminated soil were stabilized and capped on-site, protecting workers on site and preventing contamination from migrating off site.

National Priorities Listing History

Proposal Date: December 30, 1982

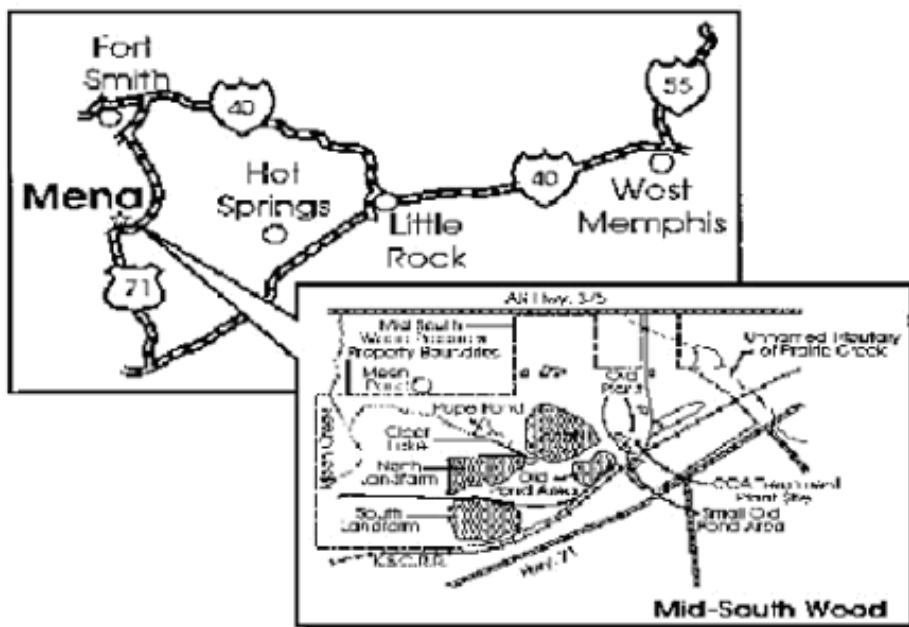
Final Listing Date: September 8, 1983

Population: Approximately 40 to 50 people reside on the 18 properties that are adjacent to the site.

Setting: The site is located at 4023 Hwy 8 West in Mena, Arkansas 71953; north of U.S. Highway 71 in Polk County, which is in western Arkansas. The site is located in an area of Mena that is zoned for a mixed use of industrial and residential.

Hydrology: Soil cover on the Mid-South site and surrounding area is relatively thin and limited to 1.0 - 10 feet throughout the site. The cover soils are underlain by weathered shale and sandstone. Ground water flows through the fractured rock regime. The primary direction is to the northwest along the anomalous zone (fault) and the southwest along the railroad flexure. Surface drainage is controlled by a drainage divide that crosses the site from the northwest to southeast in the eastern section of the site. Precipitation that falls east of the divide flows eastward into an unnamed tributary of Prairie Creek. Runoff also flows westward from the drainage divide through the landfill area to East Fork Moon Creek. There are 14 nearby wells, five located along Highway 71, and seven are along County Road 374. Since the beginning of the Remedial Investigation, homes northwest of the site (direction of ground water flow) have been connected to the Mena City Water System.

Site Map and Diagram



Wastes and Volumes

The principal pollutants at the Mid-South Wood Products Superfund site included:

	<u>Soil (ppm)</u>	<u>Groundwater (ppm)</u>
Arsenic	5.6 - 270.0	0 - 1.8
Chromium	19.4 - 450	0 - 0.4
Pentachlorophenol (PCP)	0 - 11,000	0 - 44

The volume of contaminated soil stabilized and capped was approximately 100,000 cubic yards.

Health Considerations:

Surface waters were contaminated with pentachlorophenol, creosote, arsenic, and chromium.

Other Environmental Risks:

There is subsurface ground water contamination. Approximately 5700 people are served by drinking water wells within one mile of the site.

Record of Decision

Signed: November 14, 1986

The remedy for the Mid-South Wood Products Superfund site included the following: Excavated heavily contaminated materials in Old Pond/Old Plant area and stabilized wastes. Consolidated this material with contaminated soils in landfarm area; covered with cap. Stabilized wastes in Old Pond and North Landfarm areas and covered with a clay cap. Completed installation of ground water recovery and treatment system. Pump and treat contaminated ground water. This remedy will protect humans from unhealthy exposures to contaminated soil as well as surface and ground water.

Other Remedies Considered

1. Containment
2. Source Removal

Reason Not Chosen

Did not include treatment.
Did not include treatment; selected remedy was more protective of public health

Enforcement

The Consent Decree for RD/RA was filed on May 16, 1988 and signed by EPA, Edward Hines Lumber Co. and Mid-South Wood Products. This consent decree required the Responsible Party to conduct the RD/RA.

Community Involvement

- Community Involvement Plan: Developed 04/84, revised 01/88.
- Original Proposed Plan Fact Sheet and Public Meeting: 08/85 and 08/86.
- Original ROD Fact Sheet: 01/88.
- Milestone Fact Sheets: Remedial Design approval fact sheet 5/88; Remedial Action completion fact sheet 9/89; Update 10/90; Open House 1/94; Update 2/94;
- Citizens on site mailing list: 73
- Constituency Interest: Low public interest, not formally organized. Primary concern is the potential economic impact of any action on a major employer.
- Site Repository: Polk County Library

Technical Assistance Grant

- Availability Notice: 01/89
- Letters of Intent Received: None
- Grant Award: N/A

Contacts

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